

## AMENDMENT TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

### Listing of Claims:

Claims 1-93 (canceled).

94 . (currently amended) The pharmaceutical composition comprising an ApoA-I agonist and a pharmaceutically acceptable carrier, excipient or diluent; wherein the ApoA-I agonist is in the form of an ApoA-I agonist-lipid complex, said complex comprising ~~an~~ the ApoA-I agonist and a lipid; wherein the ApoA-I agonist comprises: a 22 to 29-residue peptide or peptide analogue which forms an amphipathic  $\alpha$ -helix in the presence of lipids and which comprises formula (I):

$Z_1-X_1-X_2-X_3-X_4-X_5-X_6-X_7-X_8-X_9-X_{10}-X_{11}-X_{12}-X_{13}-X_{14}-X_{15}-X_{16}-X_{17}-X_{18}-X_{19}-X_{20}-X_{21}-X_{22}-X_{23}-Z_2$

or a pharmaceutically acceptable salt thereof, wherein:

$X_1$  is Pro (P), Ala (A), Gly (G), Gln (Q), Asn (N), Asp (D) or D-Pro (p);

$X_2$  is an aliphatic residue;

$X_3$  is Leu (L) or Phe (F);

$X_4$  is an acidic residue;

$X_5$  is Leu (L) or Phe (F);

$X_6$  is Leu (L) or Phe (F);

$X_7$  is a hydrophilic residue;

$X_8$  is an acidic or a basic residue;

$X_9$  is Leu (L) or Gly (G);

$X_{10}$  is Leu (L), Trp (W) or Gly (G);

$X_{11}$  is a hydrophilic residue;

$X_{12}$  is a hydrophilic residue;

$X_{13}$  is Gly (G) or an aliphatic residue;

$X_{14}$  is Leu (L), Trp (W), Gly (G) or NaI;

$X_{15}$  is a hydrophilic residue;

$X_{16}$  is a hydrophobic residue;

X<sub>17</sub> is a hydrophobic residue;

X<sub>18</sub> is Gln (Q), Asn (N) or a basic residue;

X<sub>19</sub> is Gln (Q), Asn (N) or a basic residue;

X<sub>20</sub> is a basic residue;

X<sub>21</sub> is an aliphatic residue;

X<sub>22</sub> is a basic residue;

X<sub>23</sub> is absent or a basic residue;

Z<sub>1</sub> is H<sub>2</sub>N- or RC(O)NR';

Z<sub>2</sub> is -C(O)NRR, -C(O)OR or -C(O)OH or a salt thereof;

each R is independently -H, (C<sub>1</sub>-C<sub>6</sub>) alkyl, (C<sub>1</sub>-C<sub>6</sub>) alkenyl, (C<sub>1</sub>-C<sub>6</sub>) alkynyl, (C<sub>5</sub>-C<sub>20</sub>) aryl, (C<sub>6</sub>-C<sub>26</sub>) alkaryl, 5-20 membered heteroaryl or 6-26 membered alkheteroaryl or a 1 to 7-residue peptide or peptide analogue in which one or more bonds between residues 1-7 are independently a substituted amide, an isostere of an amide or an amide mimetic;

each R' is independently -H, (C<sub>1</sub>-C<sub>6</sub>) alkyl, (C<sub>1</sub>-C<sub>6</sub>) alkenyl, (C<sub>1</sub>-C<sub>6</sub>) alkynyl, (C<sub>5</sub>-C<sub>20</sub>) aryl, (C<sub>6</sub>-C<sub>26</sub>) alkaryl, 5-20 membered heteroaryl or 6-26 membered alkheteroaryl; and

each "—" between residues X<sub>1</sub> through X<sub>23</sub> independently designates an amide linkage, a substituted amide linkage, an isostere of an amide or an amide mimetic;

or

a N-terminally blocked form, a C-terminally blocked form, or an N- and C-terminally blocked form of formula (I).

95. (previously presented) The pharmaceutical composition of Claim 94 wherein X<sub>7</sub> of the ApoA-I agonist is a basic residue.

96. (previously presented) The pharmaceutical composition of Claim 94 wherein X<sub>3</sub>, X<sub>6</sub>, X<sub>9</sub> and X<sub>10</sub> of the ApoA-I agonist are hydrophobic residues.

97. (previously presented) The pharmaceutical composition of Claim 94 wherein the ApoA-I agonist is a 22-23 residue peptide or peptide analogue according to formula (I).

98. (currently amended) The pharmaceutical composition of Claim 97 comprising an ApoA-I agonist according to formula (I) wherein:

the "—" between residues X<sub>1</sub> through X<sub>23</sub> designates -C(O)NH-;

Z<sub>1</sub> is H<sub>2</sub>N-; and

Z<sub>2</sub> is -C(O)OH or a salt thereof.

99. (currently amended) The pharmaceutical composition of Claim 98 comprising an ApoA-I agonist according to formula (I) wherein:

X<sub>1</sub> is Pro (P), Ala (A), Gly (G), Asn (N), Gln (Q), Asp (D) or D-Pro (p);

X<sub>2</sub> is Ala (A), Val (V) or Leu (L);

X<sub>3</sub> is Leu (L) or Phe (F);

X<sub>4</sub> is Asp (D) or Glu (E);

X<sub>5</sub> is Leu (L) or Phe (F);

X<sub>6</sub> is Leu (L) or Phe (F);

X<sub>7</sub> is Lys (K), Arg (R) or Orn;

X<sub>8</sub> is Asp (D) or Glu (E);

X<sub>9</sub> is Leu (L) or Gly (G);

X<sub>10</sub> is Leu (L), Trp (W) or Gly (G);

X<sub>11</sub> is Asn (N) or Gln (Q);

X<sub>12</sub> is Glu (E) or Asp (D);

X<sub>13</sub> is Gly (G), Leu (L) or Aib;

X<sub>14</sub> is Leu (L), Nal, Trp (W) or Gly (G);

X<sub>15</sub> is Asp (D) or Glu (E);

X<sub>16</sub> is Ala (A), Nal, Trp (W), Leu (L), Phe (F) or Gly (G);

X<sub>17</sub> is Gly (G), Leu (L) or Nal;

X<sub>18</sub> is Gln (Q), Asn (N), Lys (K) or Orn;

X<sub>19</sub> is Gln (Q), Asn (N), Lys (K) or Orn;

X<sub>20</sub> is Lys (K) or Orn;

X<sub>21</sub> is Leu (L);

X<sub>22</sub> is Lys (K) or Orn; and X<sub>23</sub> is absent or Lys (K).

100. (previously presented) The pharmaceutical composition of Claim 99 wherein X<sub>23</sub> of the ApoA-I agonist is absent.

102. (Currently amended) ) The pharmaceutical composition of Claim 94 comprising an ApoA-I agonist according to formula (I) wherein one of X<sub>18</sub> or X<sub>19</sub> is Gln (Q) or Asn (N) and the other of X<sub>18</sub> or X<sub>19</sub> is Lys (K) or Orn.

Claim 102 (canceled).

103. (currently amended) The pharmaceutical composition of Claim 94 comprising an ApoA-I agonist wherein the peptide or peptide analog is selected from the group consisting of:

peptide 1	PVLDLFRELLNELLEZLKQKLK	(SEQ ID NO:1),
peptide 2	GVLDLFRELLNELLEALKQKLKK	(SEQ ID NO:2),
peptide 3	PVLDLFRELLNELLEWLKQKLK	(SEQ ID NO:3),
peptide 4	PVLDLFRELLNELLEALKQKLK	(SEQ ID NO:4),
peptide 5	pVLDLFRELLNELLEALKQKLKK	(SEQ ID NO:5),
peptide 6	PVLDLFRELLNEXLEALKQKLK	(SEQ ID NO:6),
peptide 7	PVLDLFKELLNELLEALKQKLK	(SEQ ID NO:7),
peptide 8	PVLDLFRELLNEGLEALKQKLK	(SEQ ID NO:8),
peptide 9	PVLDLFRELGNELLEALKQKLK	(SEQ ID NO:9),
peptide 10	PVLDLFRELLNELLEAZKQKLK	(SEQ ID NO:10),
peptide 11	PVLDLFKELLQELLEALKQKLK	(SEQ ID NO:11),
peptide 12	PVLDLFRELLNELLEAGKQKLK	(SEQ ID NO:12),
peptide 13	GVLDLFRELLNEGLEALKQKLK	(SEQ ID NO:13),
peptide 14	PVLDLFRELLNELLEALOQOLO	(SEQ ID NO:14),
peptide 15	PVLDLFRELWNELLEALKQKLK	(SEQ ID NO:15),
peptide 16	PVLDLLRELLNELLEALKQKLK	(SEQ ID NO:16),
peptide 17	PVLELFKELLQELLEALKQKLK	(SEQ ID NO:17),
peptide 18	GVLDLFRELLNELLEALKQKLK	(SEQ ID NO:18),

peptide 19	pVLDLFRELLNEGLEALKQKLIK	(SEQ ID NO:19),
peptide 20	PVLDLFREGLNELLEALKQKLIK	(SEQ ID NO:20),
peptide 21	pVLDLFRELLNELLEALKQKLIK	(SEQ ID NO:21),
peptide 22	PVLDLFRELLNELLEGLKQKLIK	(SEQ ID NO:22),
peptide 23	PLLELFKELLQELLEALKQKLIK	(SEQ ID NO:23),
peptide 24	PVLDLFRELLNELLEALQKLIK	(SEQ ID NO:24),
peptide 25	PVLDFFRELLNEXLEALKQKLIK	(SEQ ID NO:25),
peptide 26	PVLDLFRELLNELLELLKQKLIK	(SEQ ID NO:26),
peptide 27	PVLDLFRELLNELZEALKQKLIK	(SEQ ID NO:27),
peptide 28	PVLDLFRELLNELWEALKQKLIK	(SEQ ID NO:28),
peptide 29	AVLDLFRELLNELLEALKQKLIK	(SEQ ID NO:29),
peptide 123	QVLDLFRELLNELLEALKQKLIK	(SEQ ID NO:123),
peptide 124	PVLDLFOELLNELLEALOQOLO	(SEQ ID NO:124),
peptide 125	NVLDLFRELLNELLEALKQKLIK	(SEQ ID NO:125),
peptide 126	PVLDLFRELLNELGEALKQKLIK	(SEQ ID NO:126),
peptide 127	PVLDLFRELLNELLELLKQKLIK	(SEQ ID NO:127),
peptide 128	PVLDLFRELLNELLEFLKQKLIK	(SEQ ID NO:128),
peptide 129	PVLELFNDLLRELLEALQKLIK	(SEQ ID NO:129),
peptide 130	PVLELFNDLLRELLEALKQKLIK	(SEQ ID NO:130),
peptide 131	PVLELFKELLNELLDALRQKLIK	(SEQ ID NO: 131),
peptide 132	PVLDLFRELLNLEALQKLIK	(SEQ ID NO:132),
peptide 133	PVLELFFERLLEDLLQALNKKLIK	(SEQ ID NO:133),
peptide 134	PVLELFFERLLEDLLKALNQKLIK	(SEQ ID NO:134),
peptide 135	DVLDLFRELLNELLEALKQKLIK	(SEQ ID NO:135),
peptide 136	PALELFKDLLQELLEALKQKLIK	(SEQ ID NO:136),
peptide 137	PVLDLFRELLNEGLEAZKQKLIK	(SEQ ID NO:137),
peptide 138	PVLDLFRELLNEGLEWLKQKLIK	(SEQ ID NO:138),
peptide 139	PVLDLFRELWNEGLEALKQKLIK	(SEQ ID NO:139),
peptide 140	PVLDLFRELLNEGLEALOQOLO	(SEQ ID NO:140),
peptide 141	PVLDFFRELLNEGLEALKQKLIK	(SEQ ID NO:141), and
peptide 142	PVLELFRELLNEGLEALKQKLIK	(SEQ ID NO:142),

and the N-terminal acylated and/or C-terminal amidated or esterified forms thereof, wherein X is Aib; Z is Nal; and O is Orn.

104. (currently amended) The pharmaceutical composition of Claim 103 ~~comprising an~~  
wherein the peptide or peptide analog ApoA-I agonist that is SEQ ID NO: 4.

Claims 105-109 (canceled).

110. (currently amended) The pharmaceutical composition of Claim 94 ~~comprising an~~  
~~ApoA-I agonist~~ wherein X<sub>3</sub> is Leu (L) or Phe (F), X<sub>6</sub> is Phe (F), X<sub>9</sub> is Leu (L) or Gly (G),  
and X<sub>10</sub> is Leu (L), Trp (W) or Gly (G).

Claims 111-127 (canceled).